

ABSTRACT OF DISCLOSURE

— A device for detecting a presence of an analyte in a sample. The device comprises a device body configured with at least one reaction chamber configured for containing a sensor capable of producing a detectable signal when exposed to the analyte in the sample. The reaction chambers are in fluid communication with at least one sample port and at least one actuator port via a first set of microfluidic channels arranged such that application of a negative pressure to actuator port delivers fluid placed in the sample port to the reaction chambers.